



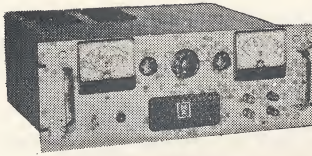
POWER SYSTEMS DIVISION

(See Instrument Section for Mid-Eastern test equipment listings.)

MID-EASTERN ELECTRONICS, INC.

32 COMMERCE ST., SPRINGFIELD, N. J. 07081 • PHONE (CODE 201) 376-7130

ST & SS Series



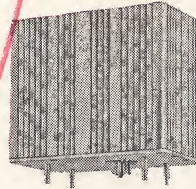
- Completely transistorized laboratory and system supplies
- 0.01% regulation, 1 mv ripple
- Plug-in modular construction
- 5 Year Guarantee
- ST Models have variable overcurrent and variable 10 micro-second overvoltage protective circuits as well as constant current connections
- MTBF > 25,000 hours over last 6 years
- All Models have two meters on the front panel

PARTIAL LISTING OF STANDARD MODELS

Model*	DC Output		Panel Height "	Unit Prices	
	Volts	Amps		ST	SS
18-6	0-18	0-6	5 1/4	\$ 495	\$ 397
18-9	0-18	0-9	7	595	495
18-15	0-18	0-15	8 3/4	795	569
18-35	0-18	0-35	10 1/2	995	795
36-3	0-36	0-3	5 1/4	495	395
36-6	0-36	0-6	7	550	429
36-15	0-36	0-15	8 3/4	795	595
36-25	0-36	0-25	10 1/2	995	795
40-50	0-40	0-50	17 1/2	1995	1695
60-1.5	0-60	0-1.5	5 1/4	495	395
60-4	0-60	0-4	7	595	495
60-7.5	0-60	0-7.5	8 3/4	795	595
60-15	0-60	0-15	10 1/2	995	795
100-1	0-100	0-1	5 1/4	495	395
100-3	0-100	0-3	8 3/4	775	595
100-5	0-100	0-5	10 1/2	895	697
100-10	0-100	0-10	2 panels, ea. 8 3/4	1595	1195
150-1.5	0-150	0-1.5	7	695	595
150-5	0-150	0-5	2 panels, ea. 8 3/4	1595	1195

*Specify Model desired by inserting either ST or SS before numbers listed. Other models are available. Quantity discounts will be negotiated.

SC Series



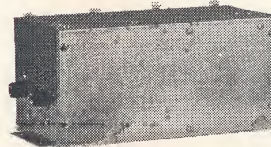
- Completely transistorized system component supplies.
- Sealed construction but fully maintainable!
- 0.05% regulation, 1 mv ripple
- 4 1/8" x 6 1/8" x 6 1/8" Gold Case
- No heat sink is required
- Used for 5 years on Missile, AEC and commercial systems
- Other Models available
- Meet Mil Spec environments

PARTIAL LISTING OF STANDARD MODELS

Model	DC Output		Unit* Price
	Volts	Amps	
SC 6-4	6	0-4	\$198.00
SC 8-4	8	0-4	198.00
SC 10-4	10	0-4	198.00
SC 12-4	12	0-4	198.00
SC 15-3	15	0-3	198.00
SC 18-2.9	18	0-2.9	198.00
SC 24-2.3	24	0-2.3	198.00
SC 28-2.1	28	0-2.1	198.00
SC 32-1.9	32	0-1.9	198.00
SC 36-1.7	36	0-1.7	198.00
SC 40-1.5	40	0-1.5	198.00

*Quantity Discounts will be negotiated.

SM Series



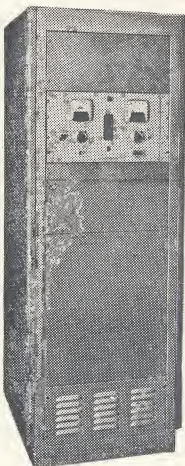
- All Silicon transistorized Modular units
- 0.5% Regulation, 10 mv ripple
- Short circuit proof
- ± 1 Volt Adjustment
- 420 Voltage/Current Combinations
- Typical unit:
60V @ 1A DC — \$87.50

DO YOU { **NEED VERY HIGH POWER**
HAVE VERY LITTLE SPACE
REQUIRE EXTREME RELIABILITY
HAVE A DIFFICULT ENVIRONMENT ?

Creating special power systems to meet your needs represents a large percentage of our business. We can help you gain a competitive advantage by reducing the size and weight of your system, increasing its reliability and introducing an elegant simplicity which lowers cost.

Call us — but call us early to get the benefits of our experience; no obligation — we enjoy the challenge.

TM Series

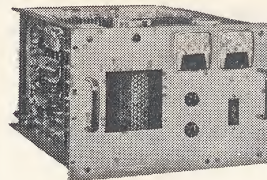


- High Power Constant Voltage/Constant Current
- Automatic sharp electronic crossover between constant Voltage and Constant Current
- 1% regulation, 1% ripple
- 10 Turn Controls for both current and voltage
- Designed for capacitor forming, Battery Charging, QC Testing
- Ideal for precision industrial processes
- All regulating elements are magnetic for highest reliability
- Other Models Available

PARTIAL LISTING OF STANDARD MODELS

Model	DC Output		Height Inches	Unit Price
	Volts	Amps		
TM 32-200	0-32	0-200	49	\$5786.00
TM 32-400	0-32	0-400	68	6820.00
TM 42-150	0-42	0-150	49	5670.00
TM 42-300	0-42	0-300	68	6545.00
TM 53-120	0-53	0-120	49	5300.00
TM 53-240	0-53	0-240	68	6480.00
TM 84-75	0-84	0-75	49	5450.00
TM 84-150	0-84	0-150	68	6500.00
TM 140-45	0-140	0-45	49	5486.00
TM 140-90	0-140	0-90	68	6632.00
TM 300-10	0-300	0-10	49	5720.00
TM 300-40	0-300	0-40	68	6800.00
TM 450-10	0-450	0-10	49	5980.00
TM 450-30	0-450	0-30	68	6995.00

MT 40-35



- Designed specifically for Semiconductor ageing
- 0-40 volts DC @ 0-35 amperes
- Magnetic amplifier preregulated
- Series Pass Transistor Regulated
- Remotely Programmable
- Overcurrent and Overvoltage circuits
- Guaranteed 5 years
- Completely Maintainable
- 0.02% regulation, 1 mv ripple
- Price \$1695.00

CP Series



- Commercial Power Rack Units
- Both line and load regulation; 1%
- 1% ripple
- All silicon transistors; 70°C ambient operation
- Not sensitive to line frequency
- Highest reliability — all magnetic regulating elements
- Typical unit:
28V @ 8A DC — \$180.00

More...

We also make DC to 400 cps two phase inverters for missiles, nickel cadmium battery chargers, military AC filament regulators, thermoelectric power supplies.

And — computer supplies, radar supplies, xenon lamp supplies, ground support supplies, automatic changeover standby power systems. We make our own magnetic components too.



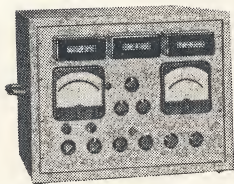
INSTRUMETRICS DIVISION

(See Power Supply Section for Mid-Eastern power systems listings.)

MID-EASTERN ELECTRONICS, INC.

32 COMMERCE ST., SPRINGFIELD, N. J. 07081 • PHONE (CODE 201) 376-7130

Model 801 UHR STANDARD BRIDGE



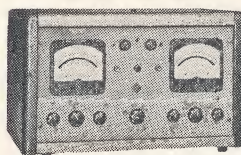
- 1000 ohms to 1.1×10^{14} ohms
- Completely Self-Contained
- 0.04%
- 0 to 1000 volts DC
- Nine Plug-in ratio standards furnished

Traceable to the National Bureau of Standards, the Model 801 is used in the primary calibration laboratories operating under the Naval Bureau of Weapons, in the Army Ordnance secondary laboratories and in standards laboratories of industrial concerns. It is also being installed in all of the standards laboratories being established by NATO in member countries. QC and production departments have found the resolution of the 801 unsurpassed and use it for voltage coefficient measurements and for matching of components.

The six decades each have 10 positions and utilize wire wound spools of the highest stability. A 7 year program of refinement has reduced the errors in the bridge to a very low amount.

Price: \$3495.00

MEGATROMETERS



- 14,000 ohms to 75,000 Million Megohms (7.5×10^{14})
- Direct reading — no nulling required
- 0 to 1500 volts DC — Continuously variable
- Completely self-contained
- Built-in 0.2% Calibration Standard
- Provision for rapid charging and discharging of capacitors under test

Mid-Eastern Megatrometers are the only instruments accurate enough for laboratory research yet simple enough for use by production personnel. They permit accurate measurements in the analysis of the effects on insulating, semiconductor and other materials of humidity, surface leakage, ion migration, moisture content, nuclear radiation, test potential, mechanical stress and temperature.

MODEL	RESISTANCE RANGE	POTENTIAL RANGE	UNIT PRICE
710	14K— 5×10^{15}	0-1000V	\$ 865.00
710H	140K — 5×10^{16}	0-1000V	1495.00
710V	140K — 7.5×10^{16}	0-1500V	1995.00

ACCESSORY	DESCRIPTION	PRICE
Volume Resistivity Jig	Plug-in Jig for rapid comparative measurements.	\$ 85.00
Extension Cables	Teflon dual 6 foot cables terminating in Faraday boxes.	98.00
Faraday Cage	10"x8"x8" — used with extension cables above.	39.50
Faraday Chamber	32"W x 28"H x 26"D Walnut, copper lined; equipped with 10' Extension Cables, Teflon isolated formica platform.	795.00

ELECTROMETERS

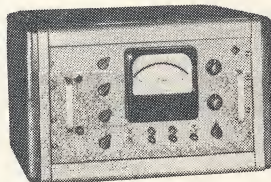
Improving our customers proprietary products by designing and manufacturing better electrometer sub-assemblies is an important part of our work.

If your product uses an electrometer circuit call us — we may be able to provide both cost reduction and product improvement.

DIVERSITY RECEPTION

If you work on telemetry, tropospheric scatter, or other communications systems, Mid-Eastern can help you significantly upgrade performance. Several breakthroughs have been made in the area of optimal combining which obsolete all presently known techniques. We are equipped to demonstrate.

Model 610 METER CALIBRATOR



- Portable — only 10 1/2" rack panel
- 1/2% Accuracy
- AC and DC Volts, DC Current, DC Millivolts
- Resistance Decade for checking ohmmeters
- Low Distortion Sine wave regulated output on AC

DC Voltage Ranges:
0-2.5/5/10/25/50/100/250/500 Volts

DC Current Ranges:
0-100/250/500 Microamperes
0-1/2.5/5/10/25/50/100/250/500/1000 Milliampers

AC Voltage Ranges:
0-2.5/5/10/25/50/100/250/500 Volts

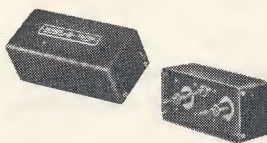
DC Millivolt Ranges:
50/100/250 Millivolts

Resistance Decade:
25/250/2500/25K/250K/1 Meg/2.5 Meg ohms

Designed for rapidly calibrating and checking panel meters and test equipment in QC, production and repair departments. All switch assemblies are plug-in and removable for convenient restandardization.

Price: \$995.00

CERTIFIED RESISTOR STANDARDS



- 10 Megs to 10,000,000 Megs
- 1% and 0.2% Certification
- Traceable to National Bureau of Standards
- Accepted by all government inspectors
- Recertification Service

STANDARD UNITS:

RESISTANCE IN MEGOHMS*	UNIT PRICE		
	REFERENCE	PRECISION	EXACT
10	\$ —	\$ 72.00	\$115.00
100	34.00	98.00	126.00
1,000	36.50	110.00	139.00
10,000	42.50	117.00	148.00
100,000	49.00	165.00	198.00
1,000,000	58.00	285.00	—
10,000,000	72.00	—	—

REFERENCE: Have resistance values selected to within 10% of listed values; are measured to within 0.1% and certified to within 1%.

PRECISION: Have resistance values selected to within 10% of listed values; are measured to within 0.02% and certified to within 0.2%.

EXACT: Have resistance values selected to within 1% of listed values; are measured to within 0.02% and certified to within 0.2%.

*Any value of resistance with similar tolerances can be supplied. Specify value and series desired and apply price of next higher value listed. Please allow 30 days extra for delivery of non-standard values. For units with closer tolerance on absolute value, please write for quotation.